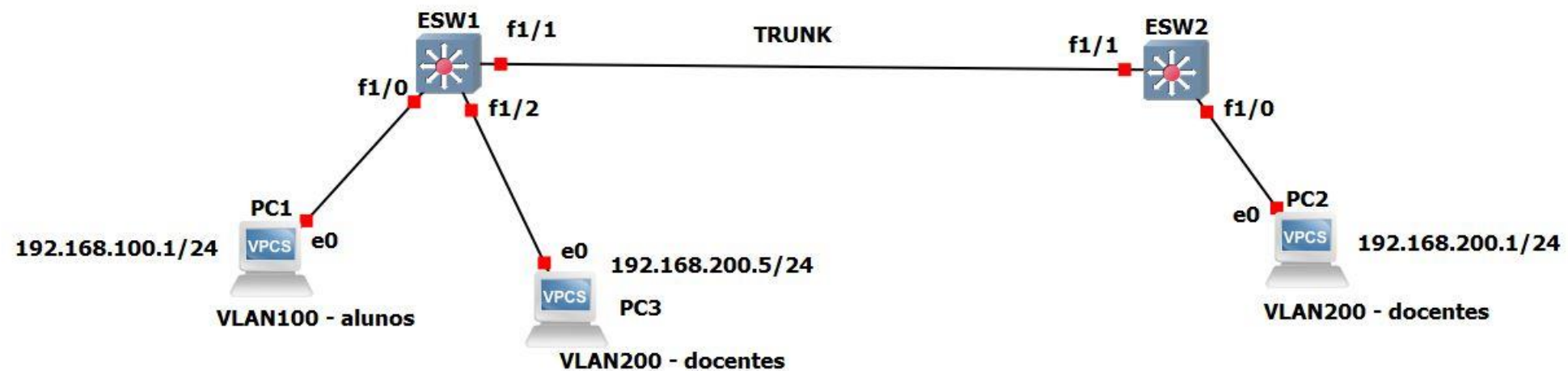


VLAN com dois switches

VLAN100 - alunos 192.168.100.0/24

VLAN200 - docentes 192.168.200.0/24



```

Exiting...
ESW1#vlan database
% Warning: It is recommended to configure VLAN from config mode,
as VLAN database mode is being deprecated. Please consult user
documentation for configuring VTP/VLAN in config mode.

ESW1(vlan)#vlan 100 name xpto
VLAN 100 added:
  Name: xpto
ESW1(vlan)#vlan 300 name zpto
VLAN 300 added:
  Name: zpto
ESW1(vlan)#show vlan-switch
^
% Invalid input detected at '^' marker.

ESW1(vlan)#exit
APPLY completed.
Exiting...
ESW1#show vlan-switch

```

Criação de VLANs

```

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Dedicated to Daling.
Build time: Apr 10 2019 02:42:20
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Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.

Press '?' to get help.

Executing the startup file

PC1> ip 192.168.100.1/24 192.168.100.0
Invalid gateway address

PC1> ip 192.168.100.1/24 192.168.100.2
Checking for duplicate address...
PC1 : 192.168.100.1 255.255.255.0 gateway 192.168.100.2

PC1> ping 192.168.200.1
host (192.168.100.2) not reachable
PC1>

```

Config PCs

```

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Press '?' to get help.

Executing the startup file

PC2> ip 192.168.200.1/24 192.168.200.2
Checking for duplicate address...
PC1 : 192.168.200.1 255.255.255.0 gateway 192.168.200.2

PC2> ping 192.168.200.5
84 bytes from 192.168.200.5 icmp_seq=1 ttl=64 time=96.691 ms
84 bytes from 192.168.200.5 icmp_seq=2 ttl=64 time=1.856 ms
84 bytes from 192.168.200.5 icmp_seq=3 ttl=64 time=1.897 ms
84 bytes from 192.168.200.5 icmp_seq=4 ttl=64 time=1.739 ms
84 bytes from 192.168.200.5 icmp_seq=5 ttl=64 time=1.772 ms

PC2>

```

Config PCs

```

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Press '?' to get help.

Executing the startup file

PC3> ip 192.168.200.5/24
Checking for duplicate address...
PC1 : 192.168.200.5 255.255.255.0

PC3> ip 192.168.200.5/24 192.168.200.2
Checking for duplicate address...
PC1 : 192.168.200.5 255.255.255.0 gateway 192.168.200.2

PC3> ping 192.168.200.1
84 bytes from 192.168.200.1 icmp_seq=1 ttl=64 time=1.870 ms
84 bytes from 192.168.200.1 icmp_seq=2 ttl=64 time=1.912 ms
84 bytes from 192.168.200.1 icmp_seq=3 ttl=64 time=2.085 ms
84 bytes from 192.168.200.1 icmp_seq=4 ttl=64 time=1.455 ms
84 bytes from 192.168.200.1 icmp_seq=5 ttl=64 time=2.063 ms

PC3>

```

Config PCs

Config VLANs

```
ESW1#show vlan-switch
```

VLAN	Name	Status	Ports
1	default	active	Fa1/3, Fa1/4, Fa1/5, Fa1/6 Fa1/7, Fa1/8, Fa1/9, Fa1/10 Fa1/11, Fa1/12, Fa1/13, Fa1/14 Fa1/15
100	alunos	active	Fa1/0
200	docentes	active	Fa1/2
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	1002	1003
100	enet	100100	1500	-	-	-	-	-	0	0
200	enet	100200	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	1	1003
1003	tr	101003	1500	1005	0	-	-	srb	1	1002
1004	fdnet	101004	1500	-	-	1	ibm	-	0	0
1005	trnet	101005	1500	-	-	1	ibm	-	0	0

```
ESW1#
```

```
ESW1#config t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
ESW1(config)#interface fa1/0
```

```
ESW1(config-if)#switchport mode access
```

```
ESW1(config-if)#switchport access vlan 100
```

```
ESW1(config-if)#interface fa1/2
```

```
ESW1(config-if)#switchport mode access
```

```
ESW1(config-if)#switchport access vlan 200
```

```
ESW1(config-if)#interface fa1/1
```

```
ESW1(config-if)#switchport mode trunk
```

```
ESW1(config-if)#
```

```
*Mar 1 00:07:52.319: %DTP-5-TRUNKPORTON: Port Fa1/1 has become dot1q trunk
```

```
ESW1(config-if)#exit
```

```
ESW1(config)#exit
```

```
ESW1#sh
```

```
*Mar 1 00:08:09.107: %SYS-5-CONFIG_I: Configured from console by console
```

```
ESW1#show vlan-switch
```

VLAN	Name	Status	Ports
1	default	active	Fa1/3, Fa1/4, Fa1/5, Fa1/6 Fa1/7, Fa1/8, Fa1/9, Fa1/10 Fa1/11, Fa1/12, Fa1/13, Fa1/14 Fa1/15
100	alunos	active	Fa1/0
200	docentes	active	Fa1/2
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	1002	1003
100	enet	100100	1500	-	-	-	-	-	0	0
200	enet	100200	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	1	1003
1003	tr	101003	1500	1005	0	-	-	srb	1	1002
1004	fdnet	101004	1500	-	-	1	ibm	-	0	0
1005	trnet	101005	1500	-	-	1	ibm	-	0	0

```
ESW1#
```


Config VLANs

```
ESW2#config t
Enter configuration commands, one per line. End with CNTL/Z.
ESW2(config)#interface fa1/0
ESW2(config-if)#switchport mode access
ESW2(config-if)#switchport access vlan 200
ESW2(config-if)#interface fa1/1
ESW2(config-if)#switchport mode trunk
ESW2(config-if)#
*Mar  1 00:10:14.767: %DTP-5-TRUNKPORTON: Port Fa1/1 has become dot1q trunk
ESW2(config-if)#exit
ESW2(config)#
```

```
ESW2#show vlan-switch
```

VLAN	Name	Status	Ports
1	default	active	Fa1/2, Fa1/3, Fa1/4, Fa1/5 Fa1/6, Fa1/7, Fa1/8, Fa1/9 Fa1/10, Fa1/11, Fa1/12, Fa1/13 Fa1/14, Fa1/15
100	alunos	active	
200	docentes	active	Fa1/0
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	1002	1003
100	enet	100100	1500	-	-	-	-	-	0	0
200	enet	100200	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	1	1003
1003	tr	101003	1500	1005	0	-	-	srb	1	1002
1004	fdnet	101004	1500	-	-	1	ibm	-	0	0
1005	trnet	101005	1500	-	-	1	ibm	-	0	0

```
ESW2#
```